

# Maria Fernanda Sanchez Goñi

## List of Publications by Year in descending order

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Version: 2024-02-01

111  
papers

9,388  
citations

41344

49  
h-index

39675

94  
g-index

130  
all docs

130  
docs citations

130  
times ranked

7139  
citing authors

#	ARTICLE	IF	CITATIONS
1	The Global Last Glacial Maximum: the Eastern North Atlantic (marine sediments) and the Greenland Ice Sheet climatic signal. , 2022, , 189-194.		0
2	Abrupt (or millennial or suborbital) climatic variability: Heinrich events/stadials. , 2022, , 181-187.		2
3	Definition of the Last Glacial Cycle marine stages and chronology. , 2022, , 171-173.		1
4	Abrupt climatic variability: Dansgaardâ€œOeschger events. , 2022, , 175-180.		1
5	An overview of the Last Glacial Cycle. , 2022, , 165-169.		1
6	Environmental changes in SW France during the Middle to Upper Paleolithic transition from the pollen analysis of an eastern North Atlantic deep-sea core. Quaternary Research, 2022, 110, 147-164.	1.7	1
7	Pollen: A Key Tool for Understanding Climate, Vegetation, and Human Evolution. Progress in Botany Fortschritte Der Botanik, 2022, , 395-434.	0.3	0
8	The climatic and environmental context of the Late Pleistocene. , 2022, , 17-38.		1
9	Impact of terrestrial biosphere on the atmospheric CO&lt;sub&gt;2&lt;/sub&lt;/sub&gt; concentration across Termination V. Climate of the Past, 2022, 18, 1429-1451.	3.4	2
10	Muted cooling and drying of NW Mediterranean in response to the strongest last glacial North American ice surges. Bulletin of the Geological Society of America, 2021, 133, 451-460.	3.3	7
11	Control Mechanisms of Primary Productivity Revealed by Calcareous Nannoplankton From Marine Isotope Stages 12 to 9 at the Shackleton Site (IODP Site U1385). Paleoceanography and Paleoclimatology, 2021, 36, e2021PA004246.	2.9	7
12	Combination of insolation and ice-sheet forcing drive enhanced humidity in northern subtropical regions during MIS 13. Quaternary Science Reviews, 2020, 247, 106573.	3.0	7
13	Regional impacts of climate change and its relevance to human evolution. Evolutionary Human Sciences, 2020, 2, .	1.7	14
14	Modern pollen representation of the vegetation of the Tagus Basin (central Iberian Peninsula). Review of Palaeobotany and Palynology, 2020, 276, 104193.	1.5	20
15	Carbon 13 Isotopes Reveal Limited Ocean Circulation Changes Between Interglacials of the Last 800Âka. Paleoceanography and Paleoclimatology, 2020, 35, e2019PA003776.	2.9	5
16	Consistently dated Atlantic sediment cores over the last 40 thousand years. Scientific Data, 2019, 6, 165.	5.3	63
17	Coupled ocean and atmospheric changes during Greenland stadial 1 in southwestern Europe. Quaternary Science Reviews, 2019, 212, 108-120.	3.0	26
18	Pronounced northward shift of the westerlies during MIS 17 leading to the strong 100-kyr ice age cycles. Earth and Planetary Science Letters, 2019, 511, 117-129.	4.4	14

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19	BINCOR: An R package for Estimating the Correlation between Two Unevenly Spaced Time Series. R Journal, 2019, 11, 170.	1.8	16
20	Unraveling the forcings controlling the vegetation and climate of the best orbital analogues for the present interglacial in SW Europe. Climate Dynamics, 2018, 51, 667-686.	3.8	25
21	Palaeoclimate constraints on the impact of 2 Å°C anthropogenic warming and beyond. Nature Geoscience, 2018, 11, 474-485.	12.9	166
22	Response of the carbon cycle in an intermediate complexity model to the different climate configurations of the last nineÅinterglacials. Climate of the Past, 2018, 14, 239-253.	3.4	10
23	Pollen from the Deep-Sea: A Breakthrough in the Mystery of the Ice Ages. Frontiers in Plant Science, 2018, 9, 38.	3.6	35
24	Unexpected weak seasonal climate in the western Mediterranean region during MIS 31, a high-insolation forced interglacial. Quaternary Science Reviews, 2017, 161, 1-17.	3.0	22
25	Vegetation and environmental changes at the Middle Stone Age site of Wonderkrater, Limpopo, South Africa. Quaternary Research, 2017, 88, 313-326.	1.7	2
26	Identifying early modern human ecological niche expansions and associated cultural dynamics in the South African Middle Stone Age. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 7869-7876.	7.1	67
27	The ACER pollen and charcoal database: aÅglobal resource to document vegetation and fire response to abrupt climate changes during the last glacial period. Earth System Science Data, 2017, 9, 679-695.	9.9	38
28	Tropically-driven climate shifts in southwestern Europe during MIS 19, a low eccentricity interglacial. Earth and Planetary Science Letters, 2016, 448, 81-93.	4.4	39
29	The expansion of Central and Northern European Neolithic populations was associated with a multi-century warm winter and wetter climate. Holocene, 2016, 26, 1188-1199.	1.7	15
30	The complexity of millennial-scale variability in southwestern Europe during MIS 11. Quaternary Research, 2016, 86, 373-387.	1.7	39
31	Climate changes in south western Iberia and Mediterranean Outflow variations during two contrasting cycles of the last 1Myrs: MIS 31ÅMIS 30 and MIS 12ÅMIS 11. Global and Planetary Change, 2016, 136, 18-29.	3.5	25
32	Dinoflagellate cyst population evolution throughout past interglacials: Key features along the Iberian margin and insights from the new IODP Site U1385 (Exp 339). Global and Planetary Change, 2016, 136, 52-64.	3.5	16
33	Climate variability across the last deglaciation in NW Iberia and its margin. Quaternary International, 2016, 414, 9-22.	1.5	81
34	Holocene landÅsea climatic links on the equatorial Pacific coast (Bay of Guayaquil, Ecuador). Holocene, 2016, 26, 567-577.	1.7	13
35	A reference time scale for Site U1385 (Shackleton Site) on the SW Iberian Margin. Global and Planetary Change, 2015, 133, 49-64.	3.5	99
36	<i>Pinus nigra</i> (European black pine) as the dominant species of the last glacial pinewoods in southÅwestern to central Iberia: a morphological study of modern and fossil pollen. Journal of Biogeography, 2015, 42, 1998-2009.	3.0	40

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37	Increased aridity in southwestern Africa during the warmest periods of the last interglacial. <i>Climate of the Past</i> , 2015, 11, 1417-1431.	3.4	31
38	Indian monsoon variations during three contrasting climatic periods: The Holocene, Heinrich Stadial 2 and the last interglacial-glacial transition. <i>Quaternary Science Reviews</i> , 2015, 125, 50-60.	3.0	43
39	History of <i>Larix decidua</i> Mill. (European larch) since 130ka. <i>Quaternary Science Reviews</i> , 2015, 124, 224-247.	3.0	34
40	Impact of precession on the climate, vegetation and fire activity in southern Africa during MIS4. <i>Climate of the Past</i> , 2014, 10, 1165-1182.	3.4	18
41	A compilation of Western European terrestrial records 60ka: towards an understanding of latitudinal climatic gradients. <i>Quaternary Science Reviews</i> , 2014, 106, 167-185.	3.0	121
42	Beyond skepticism: uncovering cryptic refugia using multiple lines of evidence. <i>New Phytologist</i> , 2014, 204, 450-454.	7.3	24
43	Land-sea climatic variability in the eastern North Atlantic subtropical region over the last 14,200 years: Atmospheric and oceanic processes at different timescales. <i>Holocene</i> , 2014, 24, 787-797.	1.7	61
44	Quantitative estimation of bioturbation based on digital image analysis. <i>Marine Geology</i> , 2014, 349, 55-60.	2.1	59
45	Digital image treatment applied to ichnological analysis of marine core sediments. <i>Facies</i> , 2014, 60, 39-44.	1.4	60
46	Onset of Mediterranean outflow into the North Atlantic. <i>Science</i> , 2014, 344, 1244-1250.	12.6	144
47	Air-sea temperature decoupling in western Europe during the last interglacial-glacial transition. <i>Nature Geoscience</i> , 2013, 6, 837-841.	12.9	73
48	Orbital-scale climate forcing of grassland burning in southern Africa. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 5069-5073.	7.1	135
49	Mid-Holocene emergence of a low-frequency millennial oscillation in western Mediterranean climate: Implications for past dynamics of the North Atlantic atmospheric westerlies. <i>Holocene</i> , 2013, 23, 153-166.	1.7	141
50	European climate optimum and enhanced Greenland melt during the Last Interglacial. <i>Geology</i> , 2012, 40, 627-630.	4.4	78
51	Vegetation dynamics in the Northeastern Mediterranean region during the past 23 000 yr: insights from a new pollen record from the Sea of Marmara. <i>Climate of the Past</i> , 2012, 8, 1941-1956.	3.4	34
52	7. L'impact du Dernier Maximum glaciaire sur les populations européennes. , 2012, , 125-140.		1
53	6. La variabilité climatique rapide de la dernière période glaciaire et l'extinction des Néandertaliens. , 2012, , 107-121.		1
54	The nature of MIS 3 stadial-interstadial transitions in Europe: New insights from model-data comparisons. <i>Quaternary Science Reviews</i> , 2011, 30, 3618-3637.	3.0	58

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55	Contrasting sea-surface responses between the western Mediterranean Sea and eastern subtropical latitudes of the North Atlantic during abrupt climatic events of MIS 3. <i>Marine Micropaleontology</i> , 2011, 80, 1-17.	1.2	36
56	Abrupt climate changes of the last deglaciation detected in a Western Mediterranean forest record. <i>Climate of the Past</i> , 2010, 6, 245-264.	3.4	146
57	Testing the Hypothesis of Fire Use for Ecosystem Management by Neanderthal and Upper Palaeolithic Modern Human Populations. <i>PLoS ONE</i> , 2010, 5, e9157.	2.5	60
58	The archaeology and paleoenvironment of an Upper Pleistocene hyena den: An integrated approach. <i>Journal of Archaeological Science</i> , 2010, 37, 919-935.	2.4	50
59	What drives the millennial and orbital variations of $\delta^{18}O_{atm}$ ?. <i>Quaternary Science Reviews</i> , 2010, 29, 235-246.	3.0	98
60	Millennial-scale climate variability and vegetation changes during the Last Glacial: Concepts and terminology. <i>Quaternary Science Reviews</i> , 2010, 29, 2823-2827.	3.0	284
61	Millennial-scale variability during the last glacial in vegetation records from Europe. <i>Quaternary Science Reviews</i> , 2010, 29, 2839-2864.	3.0	315
62	Global patterns of vegetation response to millennial-scale variability and rapid climate change during the last glacial period. <i>Quaternary Science Reviews</i> , 2010, 29, 2957-2980.	3.0	121
63	Millennial-scale climatic variability between 340 000 and 270 000 years ago in SW Europe: evidence from a NW Iberian margin pollen sequence. <i>Climate of the Past</i> , 2009, 5, 53-72.	3.4	46
64	Evidence for Obliquity Forcing of Glacial Termination II. <i>Science</i> , 2009, 325, 1527-1531.	12.6	189
65	Last glacial fire regime variability in western France inferred from microcharcoal preserved in core MD04-2845, Bay of Biscay. <i>Quaternary Research</i> , 2009, 71, 385-396.	1.7	38
66	Coversand and Pleistocene palaeosols in the Landes region, southwestern France. <i>Journal of Quaternary Science</i> , 2009, 24, 259-269.	2.1	26
67	Wet to dry climatic trend in north-western Iberia within Heinrich events. <i>Earth and Planetary Science Letters</i> , 2009, 284, 329-342.	4.4	167
68	Contrasting intrainterstadial climatic evolution between high and middle North Atlantic latitudes: A close-up of Greenland Interstadials 8 and 12. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	27
69	Position of the Polar Front along the western Iberian margin during key cold episodes of the last 45 ka. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	2.5	154
70	Changes in fire regimes since the Last Glacial Maximum: an assessment based on a global synthesis and analysis of charcoal data. <i>Climate Dynamics</i> , 2008, 30, 887-907.	3.8	590
71	Orbital- and sub-orbital-scale climate impacts on vegetation of the western Mediterranean basin over the last 48,000 yr. <i>Quaternary Research</i> , 2008, 70, 451-464.	1.7	325
72	Contrasting impacts of Dansgaard-Oeschger events over a western European latitudinal transect modulated by orbital parameters. <i>Quaternary Science Reviews</i> , 2008, 27, 1136-1151.	3.0	366

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73	The climate in Europe during the Eemian: a multi-method approach using pollen data. <i>Quaternary Science Reviews</i> , 2008, 27, 2303-2315.	3.0	126
74	Neanderthal Extinction by Competitive Exclusion. <i>PLoS ONE</i> , 2008, 3, e3972.	2.5	176
75	40. Chronology and climate forcing of the last four interglacials. <i>Developments in Quaternary Sciences</i> , 2007, 7, 597-614.	0.1	2
76	13. Introduction to climate and vegetation in Europe during MIS5. <i>Developments in Quaternary Sciences</i> , 2007, , 197-205.	0.1	13
77	36. Interglacials as simulated by the LLN 2-D NH and MoBidiC climate models. <i>Developments in Quaternary Sciences</i> , 2007, 7, 547-561.	0.1	5
78	19. Vegetation dynamics in southern Germany during marine isotope stage 5 (~ 130 to 70 kyr ago). <i>Developments in Quaternary Sciences</i> , 2007, , 277-287.	0.1	10
79	25. Climate variability of the last five isotopic interglacials: Direct land-sea-ice correlation from the multiproxy analysis of North-Western Iberian margin deep-sea cores. <i>Developments in Quaternary Sciences</i> , 2007, 7, 375-386.	0.1	24
80	Dansgaardâ€™s Oeschger climatic variability revealed by fire emissions in southwestern Iberia. <i>Quaternary Science Reviews</i> , 2007, 26, 1369-1383.	3.0	93
81	H4 abrupt event and late Neanderthal presence in Iberia. <i>Earth and Planetary Science Letters</i> , 2007, 258, 283-292.	4.4	115
82	Holocene environmental changes in the Gallocanta lacustrine basin, Iberian Range, NE Spain. <i>Holocene</i> , 2007, 17, 649-663.	1.7	23
83	Holocene Changes in the Douro Estuary (Northwestern Iberia). <i>Journal of Coastal Research</i> , 2007, 233, 711-720.	0.3	26
84	Long-term and millennial-scale climate variability in northwestern France during the last 8850 years. <i>Holocene</i> , 2007, 17, 939-953.	1.7	41
85	Low-latitude â€™dusty eventsâ€™ vs. high-latitude â€™icy Heinrich Eventsâ€™. <i>Quaternary Research</i> , 2007, 68, 379-386.	1.7	84
86	Present-day and past (last 25000 years) marine pollen signal off western Iberia. <i>Marine Micropaleontology</i> , 2007, 62, 91-114.	1.2	221
87	Climatic variability of Marine Isotope Stage 7: direct landâ€™seaâ€™ice correlation from a multiproxy analysis of a north-western Iberian margin deep-sea core. <i>Quaternary Science Reviews</i> , 2006, 25, 1010-1026.	3.0	72
88	Increasing vegetation and climate gradient in Western Europe over the Last Glacial Inception (122â€™110) Tj ETQq0 0 0 rgBT /Overlock	4.4	156
89	Is vegetation responsible for glacial inception during periods of muted insolation changes?. <i>Quaternary Science Reviews</i> , 2005, 24, 1361-1374.	3.0	96
90	Links between marine and atmospheric processes oscillating on a millennial time-scale. A multi-proxy study of the last 50,000yr from the Alboran Sea (Western Mediterranean Sea). <i>Quaternary Science Reviews</i> , 2005, 24, 1623-1636.	3.0	168

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91	Relationships between plant traits and climate in the Mediterranean region: A pollen data analysis. <i>Journal of Vegetation Science</i> , 2004, 15, 635-646.	2.2	80
92	“A Garden of Eden for the Gibraltar Neandertals? A reply to Finlayson et al.” <i>Quaternary Science Reviews</i> , 2004, 23, 1210-1216.	3.0	7
93	The use of two pollen records from deep sea cores to frame adaptive evolutionary change for humans: a comment on “Neanderthal extinction and the millennial scale climate variability of OIS 3” by F. d’Errico and M.F. Sánchez Goñi. <i>Quaternary Science Reviews</i> , 2004, 23, 1217-1219.	3.0	25
94	A stationary Mediterranean forest in southeastern Iberia during OIS 3? A reply to the comments by J.S. Carrión. <i>Quaternary Science Reviews</i> , 2004, 23, 1219-1224.	3.0	3
95	Revealing climatic variability of the last three millennia in northwestern Iberia using pollen influx data. <i>Earth and Planetary Science Letters</i> , 2003, 213, 63-78.	4.4	172
96	Neanderthal extinction and the millennial scale climatic variability of OIS 3. <i>Quaternary Science Reviews</i> , 2003, 22, 769-788.	3.0	224
97	Marine Isotope Substage 5e and the Eemian Interglacial. <i>Global and Planetary Change</i> , 2003, 36, 151-155.	3.5	419
98	Lateglacial and Holocene environmental changes in Portuguese coastal lagoons 3: vegetation history of the Santo Andre coastal area. <i>Holocene</i> , 2003, 13, 459-464.	1.7	38
99	Holocene biomass burning and global dynamics of the carbon cycle. <i>Chemosphere</i> , 2002, 49, 845-863.	8.2	198
100	Synchronicity between marine and terrestrial responses to millennial scale climatic variability during the last glacial period in the Mediterranean region. <i>Climate Dynamics</i> , 2002, 19, 95-105.	3.8	381
101	The Classic Marine Isotope Substage 5e. <i>Quaternary Research</i> , 2002, 58, 14-16.	1.7	192
102	Saharan Dust Transport and High-Latitude Glacial Climatic Variability: The Alboran Sea Record. <i>Quaternary Research</i> , 2002, 58, 318-328.	1.7	184
103	Direct land/sea correlation of the Eemian, and its comparison with the Holocene: a high-resolution palynological record off the Iberian margin. <i>Geologie En Mijnbouw/Netherlands Journal of Geosciences</i> , 2000, 79, 345-354.	0.9	63
104	Dinoflagellate cyst evidence of “Heinrich-like events” off Portugal during the Marine Isotopic Stage 5. <i>Marine Micropaleontology</i> , 2000, 40, 9-21.	1.2	45
105	European Climatic Response to Millennial-Scale Changes in the Atmosphere–Ocean System during the Last Glacial Period. <i>Quaternary Research</i> , 2000, 54, 394-403.	1.7	226
106	High-altitude vegetational pattern on the Iberian Mountain Chain (north-central Spain) during the Holocene. <i>Holocene</i> , 1999, 9, 39-57.	1.7	95
107	High resolution palynological record off the Iberian margin: direct land-sea correlation for the Last Interglacial complex. <i>Earth and Planetary Science Letters</i> , 1999, 171, 123-137.	4.4	364
108	... and Spain. <i>Nature</i> , 1993, 363, 10-10.	27.8	0

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109	On the Last Glacial Maximum and Interstadials During the Solutrean: A Contradiction?. Current Anthropology, 1991, 32, 573-575.	1.6	2
110	IODP Expedition 339 in the Gulf of Cadiz and off West Iberia: decoding the environmental significance of the Mediterranean outflow water and its global influence. Scientific Drilling, 0, 16, 1-11.	0.6	53
111	The &quot;Shackleton Site&quot; (IODP Site U1385) on the Iberian Margin. Scientific Drilling, 0, 16, 13-19.	0.6	41